

Map Unit Description

Morgan County, Colorado

VoA Vona sandy loam, 1 to 3 percent slopes

Setting

Landscape: Uplands
Elevation: 4440 to 4600 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 135 to 151 days

Composition

Vona and similar soils: 80 percent
Minor components: 20 percent

Description of Vona

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Loam sandy and/or sand loamy and/or limy eolian deposits

Properties and Qualities

Slope: 1 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.4 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 6 inches: sandy loam
6 to 21 inches: sandy loam
21 to 44 inches: very fine sandy loam
44 to 65 inches: fine sandy loam

Minor Components

Ascalon

Percent of map unit: 8 percent

Olnest

Percent of map unit: 7 percent

Gilcrest

Percent of map unit: 5 percent